

Please initial next to the option below to indicate whether LSAH-Repository may release all (Option 1), none (Option 2), or a selected list (Option 3 plus individual boxes below) of your coded data.

initials	<b>OPTION 1:</b> I authorize that any of my data stored in the LSAH-Repository may be released to approved researchers for research, presentation, or publication without the need to contact me further.							
initials	<b>OPTION 2:</b> I understand that I will be requested to give informed consent for each individual study requesting my medical data. Otherwise my medical data will not be used.							
initials	<b>OPTION 3:</b> I authorize that only the data categories indicated by the boxes I have checked below may be released for research, presentation, or publication without the need to contact me further.							
	<b>Category / MRID Title</b>	<b>Typical Variables / Data</b>	<b>Preflight</b>	<b>In-flight</b>	<b>Postflight</b>	<b>Annual / Other</b>	<b>Constraints / Exceptions on Data Use</b>	<b>MEDB/MRID REFERENCE</b>
<input type="checkbox"/>	<b>Non-Public Domain Photography and Video of medical / behavioral mission activities</b>	Imagery of blood draws or other medical procedures, exercise sessions, etc.	X	X	X			N/A
<input type="checkbox"/>	<b>Clinical Assessment</b>	Diagnoses; Vitals, Head and face, ENT, Eyes, Neck, Pulmonary, Abdomen & Pelvic, Rectum, Genitourinary, Breasts, Extremities, Spine, Skin, Neurologic findings	X		X	X		1.1, MR009S/L, MSD-MO-044, MSD-MO-045
<input type="checkbox"/>	<b>Inflight (CMO) Health Status &amp; Pre/Post EVA Evaluations</b>	Vitals, Med history, Physical exam, Blood chemistry, Urinalysis, Pulmonary		X				1.2, 6.1, MR018L, MSD-MO-034
<input type="checkbox"/>	<b>Laboratory Testing (data from blood and urine samples)</b>	Hematology, Chemistry profile, Thyroid function, Iron profile, Lipid profile, C-reactive protein, Renal stone risk, Vitamin D status, Diabetes screening (glucose, HbA1C), Prostate screening (PSA) if applicable	X		X	X	e.g., no sharing HIV test	2.1, MR010S/L
<input type="checkbox"/>	<b>Infectious Disease Screenings</b>	For conditions such as MRSA, tuberculosis, H. pylori, etc. using methods such as nasal swabs, breath, blood, or stool samples, skin tests, chest x-rays, etc.	X		X	X		2.2, 2.3, 2.4, MR021S/L, MSD-MO-001
<input type="checkbox"/>	<b>Ultrasound Imaging</b>	Abdominal, Retroperitoneal, Pelvic, Thyroid, Heart, Carotid artery (started Nov2009)	X					1.12, MR015L, MSD-MO-049
<input type="checkbox"/>	<b>Other Imaging</b>	Brain MRI / MRA (started Nov2009), Coronary Artery Calcium Scan, CT scans, X-rays, etc.	X					1.15 (Brain)

Signature of Subject: \_\_\_\_\_

Date: \_\_\_\_\_

Signature of Investigator or Designee: \_\_\_\_\_

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Date: \_\_\_\_\_

	Category / MRID Title	Typical Variables / Data	Preflight	In-flight	Postflight	Annual / Other	Constraints / Exceptions on Data Use	MEDB/MRID REFERENCE
<input type="checkbox"/>	Photodocumentation of Medical Issues	Visual images of skin, injuries, other medical problems	X	X	X	X		1.14, MR076S/L, MSD-MO-017, MSD-MO-020
<input type="checkbox"/>	Family Medical History	Family medical history as pertains only to your risk of chronic disease (e.g., cancer, cardiovascular disease); no psychological data will ever be released				X		
<input type="checkbox"/>	Personal Medical History	Your medical history prior to astronaut selection exams				X		
<input type="checkbox"/>	Occupational Health History	Job-related hazard exposures (such as radiation, chemicals, biologicals) or injuries/illnesses				X		
<input type="checkbox"/>	Allergy List	Allergies and sensitivities				X		
<input type="checkbox"/>	Problems/ Diagnoses List	Listing of Reported Medical Problems				X		
<input type="checkbox"/>	Risk Factors/Lifestyle Questionnaire	Diet/exercise habits, Caffeine, Tobacco, & Alcohol use, Sun exposure, Framingham Risk Score				X		
<input type="checkbox"/>	Selection / Qualifying Information	Exams performed as part of astronaut selection, FAA certificate status, Diver certification				X		JSC-50667, Vol. A; OCHMO 80771201MED.doc
<input type="checkbox"/>	Medication and Supplement recommendations and usage	Records of physician-recommended medications and usage. Data such as medication, dose, frequency, effectiveness may exist in the EMR or inflight medical records (PMC, medication kits, flight surgeon logs, etc.)	X	X	X	X		
<input type="checkbox"/>	Consultant Records	Records from consultants or other external medical providers (such as orthopedics, cardiology, neurology, ophthalmology)	X		X	X		
<input type="checkbox"/>	Clinical Data Derived from Private Medical Conferences	Medication logs, diagnoses (e.g. headache), etc.		X				1.3, MR017S/L, MSD-MO-040
<input type="checkbox"/>	Postflight Medical, EVA Debriefs	Comments regarding inflight medical events, fluid loading, noise, sleep, re-entry issues, etc.			X			MR025L, MSD-MO-046
<input type="checkbox"/>	Ophthalmology Examination and Imaging	Questionnaire, Visual acuity, Refraction, Automated visual fields, Amsler grid, Pupil reflexes, Extraocular muscle eval, Biomicroscopy, Dilated funduscopy, Retinal photography, Tonometry, OCT, MRI, A-scan & 2-D ultrasound	X	X	X	X		1.10, MR014S/L

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	Category / MRID Title	Typical Variables / Data	Preflight	In-flight	Postflight	Annual / Other	Constraints / Exceptions on Data Use	MEDB/MRID REFERENCE
<input type="checkbox"/>	Audiometry	Audiogram: hearing threshold at specific frequencies	X	X	X			1.8, MR013S/L, MR086L
<input type="checkbox"/>	Dental Exam	Dental history & exam, Periodontal eval, Oral cancer screening	X			X		1.9, MR012L, MSD-MO-043
<input type="checkbox"/>	Dental Panorex	Full dental orthopantomogram x-ray	X			X		1.9.1
<input type="checkbox"/>	24-Hour Ambulatory ECG Monitoring	3-lead ECG (Holter)						1.7, MR071L, MSD-MO-013
<input type="checkbox"/>	Pulmonary Function	Lung function (Tidal Volume, etc.)	X		X	X		MR029L
<input type="checkbox"/>	Resting ECG	12-lead ECG	X		X	X		1.6, MR011L, MR076L, MSD-MO-031
<input type="checkbox"/>	Stand Test / Tilt Test	3-lead ECG, BP, Ultrasound images of aorta, Stroke volume	X		X			MR001S/L, MSD-MO-006, MSD-MO-007
<input type="checkbox"/>	Aerobic Functional Capacity (treadmill or cycle ergometer)	Max heart rate, Max VO <sub>2</sub> , Blood pressure, Work load, Perception of effort, 3- or 12-lead ECG	X	X	X	X		4.1, 4.3, MR080L, MR006L, MSD-MO-023
<input type="checkbox"/>	Anthropometric Measurements	Height, weight, BMI, body joint and segment height, length, breadth, circumference; range of motion, reach; body segment volumes, mass properties, center of mass location						JSC-50667, Vol. A; OCHMO 80771201MED.doc
<input type="checkbox"/>	Isokinetic Testing	Muscle strength (peak torque) and endurance (total work)	X		X			5.3, MR079L, MSD-MO-038
<input type="checkbox"/>	Functional Fitness Assessment	Skeletal muscle strength & Endurance, Flexibility, Agility, Balance, Hand grip	X		X	X		5.1, MR078L, MSD-MO-037
<input type="checkbox"/>	Handgrip Dynamometry	Hand strength and endurance	X	X				MR081L
<input type="checkbox"/>	On-orbit Strength & Conditioning Monitoring	Inflight aerobic (treadmill, cycle ergometer, etc.) & Resistive (ARED, hand grip, etc.) exercise activity		X				5.2, MR019L MR082L, MSD-MO-022
<input type="checkbox"/>	In-flight Calf Volume Measurement	Calf volume		X				5.4
<input type="checkbox"/>	Postflight Rehabilitation	Physical fitness assessments			X			MR026L

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	Category / MRID Title	Typical Variables / Data	Preflight	In-flight	Postflight	Annual / Other	Constraints / Exceptions on Data Use	MEDB/MRID REFERENCE
<input type="checkbox"/>	Bone Densitometry (DXA)	Measurements of whole body, Lumbar spine, Proximal femora/hips, Heels, Forearm, etc. Fat free body mass	X		X	Every 3 yr.		1.11, MR035L, MSD-MO-030
<input type="checkbox"/>	Colonoscopy	Colonoscopy findings				Age-base		
<input type="checkbox"/>	Reproductive & Urological Health Exam	Females: Genital exam, Pap smear, Mammogram; Males: Genital, rectal, prostate exam				X		
<input type="checkbox"/>	Nutritional Assessments	Dietary intake, body composition, 48-hour urine measurements	X	X	X	X		8.1, N3.02 MR016L, MSD-MO-025
<input type="checkbox"/>	In-flight Body Mass Measurement	Body mass using Mass Measurement Device		X				1.13, MR024L, MSD-MO-047
<input type="checkbox"/>	Neurovestibular Platform Test	Balance control, Sensory-motor integration	X		X			1.5, MR042S/L, MSD-MO-005
<input type="checkbox"/>	Neurocognitive Assessment	WinSCAT data	X	X	X			7.6, MR085L, MSD-MO-016
<input type="checkbox"/>	Sleep Assessments	Actiwatch, subjective sleep assessments (e.g., sleep logs)	X	X	X			N3.07
<input type="checkbox"/>	Biodosimetry	Whole body radiation dose equivalent, lymphocyte chromosomal aberrations	X		X			3.2, N3.05/4, MR003L, MSD-MO-003
<input type="checkbox"/>	In-flight Radiation Monitoring	Radiation doses from crew worn or area dosimeters, TEPC, etc.		X				3.1, MR004S/L, MR005S/L, MR030L, MSD-MO-008, MSD-MO-035
<input type="checkbox"/>	EVA Arm ergometry (Orlan)	Work rate, Heart Rate, Duration of exercise	X	X				6.3, MR038L
<input type="checkbox"/>	EVA Exercise Prebreathe	Heart rate, oxygen consumption, ECG, exercise workload	X	X				MR087S, MR087L
<input type="checkbox"/>	EVA Metabolic Task Analysis	ECG, VO <sub>2</sub> , Body temperature (Russian Orlan suit only), Heart rate, Suit CO <sub>2</sub> partial pressure, Suit Pressure, Radiation Exposure	X	X				6.1
<input type="checkbox"/>	Monitoring during EVA	ECG, Radiation dosimetry, Body temperature		X				6.2
<input type="checkbox"/>	Data Collected by or Reported to International Partner Agencies' Physicians	Russian tilt tests, audiology, laboratory tests, etc. (applies predominantly to NASA-Mir, early ISS crewmembers)	X	X	X			MO-xx

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